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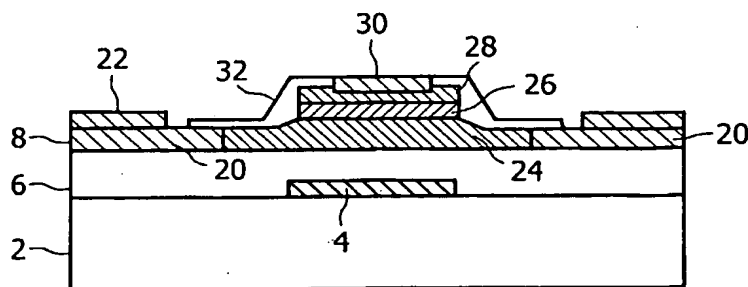
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(54) Title: **PHOTOTRANSISTOR**



(57) Abstract: A photo transistor has an active region (24) spaced from a source (28) by barrier (26). A drain (20) is laterally spaced from the active region (24). Light incident on the active region creates electron-hole pairs. Holes accumulate at the barrier and modulate the effective barrier height to electrons. A gate reset voltage then is applied to gate (4) which lower the barrier allowing the holes to escape.



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